

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: N2QCE@aol.com
Subject: [6939] 9A20M Info... TNX de John
Message-ID: <961222093719_270142461@emout08.mail.aol.com>

Thanks to all who sent me the QSL info in 9A20M. His card is in the mail.
Best 73 to all and Happy Holidays. de John

73 de John M. Evans N2QCE
Grid:FN30pt LIQRP QRP-L #597 10-10 #61769
E-mail: n2qce@aol.com

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: [6952] Antennas on/near roof-top proximity
Message-ID: <19961222.173437.6551.0.k7yha@juno.com>

Gang:

While living in Studlands Estates, Newmarket, England (Suffolk County, near Cambridge) I was assigned to new base housing (USAF). These were wooden frame houses, newly erected for the USAF by British builders. I believe the roofs were clay tile, but may be mistaken.

In order to get on the air quickly, I surveyed the attic (loft) and found that I could staple the feedpoint of a 1/2 size G5RV dipole at the peak of the rafters on the end of the house, bring the dipole elements down, one on each of the end rafters, forming a classic inverted "vee" antenna. The legs of the G5RV dipole were only 26 feet long so after nearing the floor of the attic, they were run horizontally the length of the house, until I ran out of wire. Here they were tied off and insulated.

The antenna was fed with open wire line that was dropped vertically down from the feedpoint, stapled to the floor of the shack then run at right angles over toward the edge of the attic, beneath one of the dipole elements, and out through a vent hole and into my second floor shack window.

This entire arrangement worked very well for almost 3 years and netted me 85 countries using 2 watts from an Argo 515. The entire thing was fed thru a small MFJ tuner (I don't remember the model number). All bands 80-10 meters were useable, although the 80 meter window was very narrow.

I even used it on 160 to make a few contacts with an old Mk. 128 spy rig, but the tuning range was about 10 khz.

The point is, antennas mounted near or close to the proximity of a roof or building will work for QRP. Just remember you are not going to work the same stations that the "BIG BOYS" do with their TH7s and KT-34s at 90 feet! (Not that you can't bust the occasional pile-up and make them look foolish, it's just not gonna happen all the time.)

Obviously, if you are going to run something more than QRP power levels caution must be taken as the wires develop "RF hot spots" at some frequencies and if these are close to or lying on shingles, wooden siding, or even vinyl siding, they can develop lots of heat and possibly start a fire. Therefore, use common sense, keep the power down to between 10-25 watts and enjoy yourself.

73es MX

rich K7SZ

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Jack WA7LNW <wa7lnw@earthlink.net>
Subject: [6930] ARCI "1000-Mile-Per-Watt" Award ?
Message-ID: <199612220819.AAA08629@cyprus.it.earthlink.net>

Can anyone tell me how to get in touch with the QRP ARCI ?

Also wondering if they still offer their "1000-Mile-Per-Watt" award ?

Thanks in advance for the info.

Happy Holidays and QRP DXing!

de Jack, WA7LNW

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: tart1@juno.com (Nathan C Tart)
Subject: [6958] Bob Hightower <ki7mn@dancris.com>: Re: DX, DX
Message-ID: <19961222.135351.4751.5.tart1@juno.com>

----- Begin forwarded message -----

From: Bob Hightower <ki7mn@dancris.com>
Subject: Re: DX, DX

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [6938] Cecil's feedline system
Message-ID: <Pine.SOL.3.94.961222065400.20359M-100000@utkux4.utcc.utk.edu>

I had a few requests for a copy of Cecil's original posting on his feeder/tuner system, and he is on vacation. For those who erased too soon, here is a copy forwarded to me by Ken Lopez, N6TZV, after I committed mine to paper and erased. My thanks, and I hope the duplicate bandwidth will be excused.

-73-

LB

Subject: Antenna Tidbits
From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [6950] Christmas FOX Announcement
Message-ID: <199612221718.MAA60376@nss2.CC.Lehigh.EDU>

Hello Gang,

I will be the "Fox", on Monday, December 23, at 2000 E.S.T.

That is Tuesday, December 24, at 0100 UTC.

I will try to log all callers for 2 hours following the start time posted above.

Point your beams at Canaan NH. (just a little way up the state from the Mass. border on the Vermont side of the state.

The antenna will be a 2 element beam up 84 feet pointed south west at first. I will rotate it if neccessary.

The Frequency will be 7.040 + or - QRM , I won't go higher than 7.045 or lower than 7.035.

73 es GL

de AA1IK N.E.-QRP-C. #202 (Lead by example, It is better to)
 QRP-L member #95 (pull a string than it is to push it.)
Ernie Gregoire FISTS #2644
RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
S.A.S.E. or via E-mail.

e-mail : GREGOIRE@ENDOR.COM
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: dwink@juno.com (Daniel C Winkler)
Subject: [6968] CMOS vs. 74HCT
Message-ID: <19961222.134254.4351.0.DWink@juno.com>

Gang-

Answered my own Q.

74HCT04 cannot be fooled into thinking it is an analog linear amplifier for audio signals. Quick lash-up on the bench shows very non-linear amplification, and a distressing tendency to oscillate at VHF (abt 130 MHz). Plugged a 7MHz crystal in, in the place of the 10 pf cap I had between input and output of inverter, and got nice 5 volt pk-pk trapezoidal waveform... shouldn't be too hard to clean up. Sure would make for a simple QRP transmitter, all right. But an audio amp, no.

Thanks to any who replied.

73 ; D DWink@Juno.com Dan Winkler N7IVR Seattle,
WA

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: dwink@juno.com (Daniel C Winkler)
Subject: [6926] CMOS vs. 74HCT family
Message-ID: <19961221.203305.21615.3.DWink@juno.com>

Help!

My musician son wants to construct a circuit from a book which uses two sections of a CMOS 4049 hex inverter as analog amplifiers. Supposedly, the FET transfer characteristics will allow a "tube style" distortion characteristic.

Can't find any CMOS chips at this hour, but he got a 74HCT04 hex inverter.

Specs say max Vcc is 5.5 volts for the 74HCT04. Other than the obvious pinout and supply voltage changes required, will the 74HCT04 work as an analog amplifier? In the 4049 circuit, the designer has connected the input of an inverter to its output via a 1M resistor; the inputs are capacitor coupled (no dc path to ground). I am not familiar with the internals of the HCT family (Lancaster needs to update his series!). Will the 74HCT04 inverters function in analog mode?

Thanks, and Happy Holidays to all.

73 ; D DWink@Juno.com Dan Winkler N7IVR Seattle,
WA

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: n4so@juno.com
Subject: [6972] CQ/Product Reviews
Message-ID: <19961222.184518.5223.3.N4S0@juno.com>

CQ magazine of January 1997 reviews the Ramsey SX Series Sidebander
20 meter QRP transceiver on page 24, by Paul Carr, N4PC.

Ken Brown , N4S0
QTH: Nr Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "j.w. thornton" <dub@oklahoma.net>
Subject: [6943] Dans Small Parts:
Message-ID: <199612221641.KAA21735@dns.okc>

Anybody have an email address for Dan Please?? Thanks!

J. W. (Dub) Thornton WA5YFY
Minco, Ok.

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: DZAK@aol.com
Subject: [6907] DVFO upgrade 2

Message-ID: <961221203723_841957961@emout20.mail.aol.com>

--PART.BOUNDARY.0.545.emout20.mail.aol.com.851218643
Content-ID: <0_545_851218643@emout20.mail.aol.com.1031>
Content-type: text/plain

DVFO upgrade 2

--PART.BOUNDARY.0.545.emout20.mail.aol.com.851218643
Content-ID: <0_545_851218643@emout20.mail.aol.com.1032>
Content-type: text/plain;
name="DVFOUG2.DOC"
Content-Transfer-Encoding: quoted-printable

Hi all,

S&S Engineering now has available upgrade 2 for the DVFO. This upgrade has 10 frequency offsets in non-volatile memory. In addition, there is one transmit offset, also in non-volatile memory. The transmit offset is entered as plus or minus a frequency (1 Hz to xx.xxxxxx Mhz); the output frequency is then changed by this amount when the TIP connection=

on the pcb is brought to gnd. The frequency transition is phase coherent and happens very quickly (less than 20 microseconds from key closure). Good for fsk applications.

thanks for the bandwidth
one time posting
dick ka3zow
s&s engineering

=1A=

--PART.BOUNDARY.0.545.emout20.mail.aol.com.851218643--

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Frank G3YCC <g3ycc@enterprise.net>
Subject: [6946] DX, DX
Message-ID: <32BD2C7B.673@enterprise.net>

Thank goodness for contests! I don't really like 'em, but they are a chance to work the DX, the hard way - through the QRM!
Worked VK8AV on 15m CW today - using 3 watts from my Ten Tec Argo 515 to a Cobweb at 32 feet. Made my day! Anyone else worked him? He gave me 599
od course, after a few queries on my call sign!
CU in the Winter Sports, maybe.
Merry Christmas all.

--

72/3 de Frank, G3YCC G QRP Club 042. QTH: Kirk Ella, Hull
QRP Web site: <http://homepages.enterprise.net/g3ycc/>
Email: g3ycc@enterprise.net Packet G3YCC@GB7HUL.#15.GBR.EU

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Mike Boice <kd0fx@worldnet.att.net>
Subject: [6965] FG/F2HE on 17 2100 22 Dec UTC
Message-ID: <1.5.4.32.19961222211042.0067f574@postoffice.worldnet.att.net>

Right now, FG/F2HE is on 18.069 MHz calling CQ. I just worked him with my 1.5 watt Sierra thru a HB vertical at 11 feet, and got a 449 (this was right after a QSO with a NY station where I got a 339)! He blinked once & sent a ?, but got me on only the 2nd try! Yahoo! He was a 569 or 579 originally, but is now around a 549, but still real good. Others are starting to notice him, so the QRM is increasing. His code was too fast for me to get all the details, but I believe he's doing 1000 watts. Ha! The propagation gods shone brightly on my 1.5 watts this afternoon, despite the dreary skies.

Obviously, to all those who suggested remedies to get my 17 meter Sierra module to get more power out, MANY thanks. I went back in and re-tweaked everything, and it came up to almost 2 watts with the drive at 100%. I backed it off a little to get the 1.5 watt level.

So, my 10 year old log book lists FG as Guadelope or Saint Martin. Anyone know any more on this guy?

Yahoo!

So does this qualify for 1000 miles/watt <snicker>?

73,
mike KD0FX
Richland WA

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Hank Kohl <k8dd@tir.com>
Subject: [6908] Flying and radios.....
Message-ID: <2.2.32.19960122014007.006d7360@tir.com>

When we flew to the Bahamas last October, I had a laptop for logging and my TS-50S for a backup radio and 80M radio. Also had my US Amateur License

and C6A reciprocal license. Since we were going out of the US (Canada is definately included in this requirement) I had taken all the equipment that I was going to take along to the local US Customs and Immigragion office and filled out the form to claim that it was all mine, so that when I came back into the US there would be no question that I had it before I departed from the US.

I was asked by one airport security person to turn on the laptop - as soon as they saw the first display on the screen they said "ok - you can shut it off."

One asked me to turn on the TS-50S. Explained that I needed to plug it in, and the powersupply was in the checked luggage. He looked at me real funny and said OK - go ahead to your gate.

I've never had a problem on domestic or international flights with HT's. The batteries all go in zip locks and the HT goes in its own zip lock. Now way the HT will be able to be turned on.

It seems the best way to go through both customs and airport security is to look dumb! I do that well. If you're going to be or look nervous, put the radio stuff in your checked in luggage! And like Cam, KT3A, said - do not take lead acid batteries!

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@contesting.com <---- new
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Mark E Gustoff <Mark_E_Gustoff@ccm.ch.intel.com>
Subject: [6909] FS: QRP+ Transceiver

I have for sale original revision QRP+ transceiver in mint shape (never mobile, never in the field. First \$460 takes it shipping prepaid via UPS ground (lower 48).

Happy Holidays to the list,

73,

Mark Gustoff
2318 W. Harrison St.
Chandler, AZ 85224

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "Bob Follett" <bfollett@ditell.com>
Subject: [6944] Fw: Airline travel questions
Message-ID: <199612221651.JAA08225@orion.ditell.com>

Gang:

Cam wrote:

<<> This is a FAQ and I would think that most of the traveling QRP'ers
> have experienced similar conditions. Let common sense prevail
> and carry a copy of your FCC license to back up your statements.>>

Adding to his comments, I have traveled many times with my Sierra or 40A, and usually pack everything except the radio in my luggage, either carry-on, or checked, and carry the radio in my briefcase, often with laptop and HT

I have been inspected only once, and they were after a 9V battery! (as presented on their screen). I have never had to haul anything out, and amazingly, never had to demo my laptop, a sub-laptop sized machine. No one has ever asked what the "equipment" was.

The only time there was a hassle with my HT was when I was wearing it, sent it through the scanner, and the agent at the other end picked it up by the rubber duck. His supervisor came over, and chewed him out in front of me, pointing out you can damage the antenna that way!

I most point out, however, most of my trips are domestic USA.
Internationally, all bets are off!

Oh yes, I haven't been hassled yet by a hotel when I run a random wire out the window, but I don't know how much longer my luck will hold :-)

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: k7yha@juno.com (Richard H. Arland)

Subject: [6922] G5RV vs. 1/4 vertical thread
Message-ID: <19961222.041027.10503.5.k7yha@juno.com>

Gang:

Sorry but I missed the first several postings on this thread. Would like to find someone who can backfill me on the original posting and the first couple of replies.

FWIW: I used several G5RV variants for many years in the UK and in the states with varied results. In 1988 I had a full size G5RV and a Radio Works Carolina Windom set up on my property. Without a doubt, the Carolina Windom was the best of the two, producing better signal strenghts and working more DX than the G5RV. Both antennas were used with tuners (the G5RV was always designed to be used with a tuner, contrary to some reports that Lou Varney designed it as a multiband antenna for use without a tuner).

As far as vertical antenna performance compared to a G5RV, that is a highly subjective topic, and a bit like mixing oranges and apples. I have had verticals that worked better than any wire I had in the air. I've also had verticals that were omnidirectional, air-cooled, vertically polarized dummy loads.

If I had my 'druthers, I'd opt for a good dipole configuration (G5RV, Windom, Zepp, whatever...) up as high as possible and fed with ladderline or open wire line for a general purpose all-around antenna. To this I would add a well designed vertical like the Butternut HF-6V or the Cushcraft R-7 (but I'd get rid of that sissy little ground plane and put on some decent radials). Now you have a low cost (?) antenna SYSTEM that will allow you some flexibility.

Of course, if you have the time, energy, money and cooperation of your neighbors and the local zoning commission, go for the biggest beam and tallest tower you can erect. Don't forget to stick a dipole on the side of the tower, somewhere, to cover the lower bands.

73 rich K7SZ

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: James Parsons <k5rov1@worldnet.att.net>
Subject: [6911] Help with HW-8
Message-ID: <1.5.4.32.19961222015640.0066d9c0@204.127.3.1>

I have just procured a beautiful Heath HW-8. It looks like new. It just has one minor problem; it doesn't work.

Testing showed that the plates of variable capacitor C301B are were shorted. This put a short on the switching diodes that select the band. Two of them are completely burned, and two look good but don't test good. I get no voltage on the drain of Q-1, the R.F. amplifier at all. I can hear very strong sigs on 20 meters only, and only the front end trimmer C-6 will peak the signal, along with the receiver pre-selector that was originally shorted. But the signals are weak at best.

I intend to change all the switching diodes in the front end circuit. Heath specifies 1N458. I would like to use 1N914, which are readily available. Will they work? If not, does radio shack have a cheap substitute?

Thanks for your help. This group sure has been helpful in the past.

Very merry Christmas to all and God bless all.

Jim, K5rov

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: James Parsons <k5rov1@worldnet.att.net>
Subject: [6963] Info wanted...
Message-ID: <1.5.4.32.19961222203422.0066dba4@204.127.3.1>

Some time ago I saw information on the group about a keyer/freq counter kit. The frequency counter gives the frequency in cw. I want to get one of these, and build it into my HW-8, but I cant remember who sells it. I thought it was NORCAL, but I checked their page and it is not mentioned.

Can someone lead me to the right page?

Thanks and 73...

Jim, K5ROV

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Subject: [6918] KB6MT code tapes
Message-ID: <961222034954_70511.3041_IHD52-2@CompuServe.COM>

Jeff:

Here is how to get the tapes:

Amateur Radio School
2350 Rosalia Drive
Fullerton, CA 92635
714-990-8442

This info comes directly from one of his cassette tapes. He also advertises in ham jouranls, but I am travelling and don't have any at hand.

I own both the basic set and the word learning set. Couldn't be happier. I believe he really has an excellent system. I have gone from a comfortable 13 wpm in October to just over 30 wpm IN MY HEAD using his tapes. Highly recommended.

Hope this info is useful. Happy Holidays.

72/73,
--Doc/K0EVZ QRP-L #861

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Mike Duke <gmduke@oscar.teclink.net>
Subject: [6916] KENWOOD TH-77 MANUAL?
Message-ID: <Pine.GS0.3.95.961221213233.23602F-1000000@oscar.teclink.net>

Does anyone have it in an ascii or wp51 file that can be e-mailed to me?

Better yet, does anyone have simply a complete list of commands for this ht in a similar file?

If so, please share.

Merry Christmas, and Happy New Year from
Mike Duke, K 5 X U, Jackson, MS

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Jim Hydzik <congress@magpage.com>
Subject: [6905] Last States FSFD (short)

Message-ID: <199612212331.SAA19313@alaska.magpage.com>

Hey Gang,

We're just about ready for the January 01 kickoff of the 50 States in 50 Days activity. Last states that need volunteers for one evening is :
CT, IA, KS, NE, NM, ND, RI, TN, WV, WY.

If you'd like to have fun one evening putting your state on 40M, please hit 'reply' and let me know. I'll fill you in on the suggested date for your state and any other info needed.

Thanks for all the responses, Happy Holidays, Jim K3QIO Delaware
e-mail: congress@magpage.com (Details at: <http://www.dancris.com/~ki7mn>)

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Ron Giuntini <rong@slip.net>
Subject: [6924] Low Roof Antenna
Message-ID: <E0vbfWo-0003Hb-00@mouse.slip.net>

Many thanks to all who replied, all in the positive..With the encouragement of all of you fine folks I will be climbing around on my roof when the weather clears...I just put a packet station on the air last weekend and so I am slowly getting it all together again after an absence from the bands from a home QTH...I have been mobile only for the last 3 years...See you on 40 soon.

Ron

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Ron Giuntini <rong@slip.net>
Subject: [6925] Parts Kit
Message-ID: <E0vbfWm-0003Hb-00@mouse.slip.net>

I like your idea...I would favor an individual doing it and not mind a service fee..I figure any quantity buys would help to keep the price reasonable and I would line up for a chance to save time hunting down all the parts...I built my own case for a TenTec Any Band receiver and I really enjoyed doing it, but it was not as nice as those available commercially for a very reasonable price...I agree that there are those that would like to customize a case but I would be happy with a standard issue item.

Ron

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: n4so@juno.com
Subject: [6975] QST/New Products
Message-ID: <19961222.192355.5223.6.N4S0@juno.com>

QST of January 1997 mentions the KC2 on page 51.
"...measures transmitter frequency, receiver "S" units, transmitter power
and
keys your transmitter-- with digital readouts, a miniature enclosure and
a dimin-
utive 4 ma current draw."
\$75 plus shipping from Wilderness Radio, POB 734, Los Altos, CA 94023
tel 415-494-3806

Ken Brown , N4S0
QTH: Nr Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Joe Everhart <n2cx@voicenet.com>
Subject: [6914] Rainbow Bridge/Tuner Kits FS (long)
Message-ID: <199612220228.VAA16141@mail3.voicenet.com>

Homebrewers,

As the year ends and you're considering what to build during the stormy
winter days, remember that there is often a rainbow to brighten the end of a
storm. And NJQRP is offering a Rainbow at the beginning of the stormy winter
season!

We are proud to announce a kit for the Rainbow Bridge/Tuner. The Rainbow, co-
winner of the recent NorCal Design Competition, is a very lightweight,
compact, combination half-wave antenna tuner and a built-in automatic SWR
bridge. Thanks to Doug Hendricks, KI6DS for both holding the competition and
for encouraging NJQRP to offer the kits!

The Rainbow was originally intended as a companion to the popular 40-9er, a
complete 40 meter QRP transceiver that fits inside an Altoids mint tin.
Similarly, the Rainbow consists of simple tuner *and* LED display SWR bridge
on a 2x3 inch printed circuit board that can be built in a another Altoids

tin. A complete QRP station except for the key and a 67 foot antenna wire fits inside two Altoids tins!

And as a bonus, the Rainbow is the perfect companion to the 38 Special, the other Design Competition winner. With a 30 meter half-wave end fed wire, it will tune the 30 meter band with no added components.

The Rainbow SWR Bridge is also useful even without the tuner. It automatically turns itself on when RF is applied and turns off when the RF disappears. It uses four multicolor LEDs in a bar graph display that give relative SWR readings *and* accurate absolute SWR indication. Simpler two-LED SWR bridges only give you the relative indication. It senses both forward and reverse power and automatically tracks over a range of 150 mW (or less) to 4 W so that there are absolutely no adjustments.

Complete details on the Rainbow will be given articles appearing in the December 1996 QRPp and January 1997 QRP Quarterly.

The Rainbow Bridge/Tuner is available from the NJQRP in kit form. The kit consists of a high quality printed circuit board, all board-mounted parts including the tuner parts and the Rainbow display and a detailed construction and usage manual. You need supply only three coaxial connectors of your choice, an enclosure and a 6 to 12 volt power source. Directions are included in the manual on how to install a low-cost N-sized battery right on the pc board for the ultimate in space-saving.

The cost of the Rainbow as described is \$25.00 each plus \$3.00 for shipping (\$5.00 outside USA). Please make checks payable to James Bennett, not to NJQRP. James will be taking orders starting January 1, 1997 and ending on February 15, 1997. Each order received on or after that date will be assigned an order number and shipping will begin in mid-to late February according to the order number. We are gearing up for 200 kits in the first run and will evaluate whether or not another kit run is needed.

You can print out and use the attached order form or just send your check and mailing address to James at:

James Bennett, KA5DVS/2
309 Morrison Ave.
Hightstown, NJ 08520

Sorry but we cannot accept e-mail orders or credit cards. After all we're QRP in club size, too!

If you have an e-mail address, please include it so that we can tell you your order number. If not, we will send out postcards with your number, but we'd appreciate the e-mail address so that we can save money for the club and effort on James's part.

For technical information check out the QRPp and QRP Quarterly articles or contact me, N2CX at n2cx@voicenet.com. After the newsletters are in circulation, I will also publish short discussions on the circuitry in the Rainbow and how to use it. These discussions will be send out on qrp-l.

Rainbow Order Form

The Rainbow Bridge/Tuner is offered in kit form from NJQRP. It consists of a printed circuit board and all board mounted parts for a 30/40 meter antenna tuner and bar-graph LED SWR bridge.

The price is \$25.00 each plus \$3.00 postage (\$5.00 outside USA)

_____ Rainbow kits @ \$25.00 each

_____ Shipping \$3.00 (\$5.00 foreign)

_____ Amount enclosed

Send to:

_____ Name/Callsign

_____ Street Address

_____ City, State, ZIP

_____ E-mail address for order number notification

Please make checks payable to James Bennett.

Send completed order form and check or money order to:

James Bennett, KA5DVS/2
309 Morrison Ave.
Hightstown, NJ 08520

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Joe Everhart <n2cx@voicenet.com>
Subject: [6942] Rainbow Tuner/Bridge and the NorCal Page
Message-ID: <199612221543.KAA07318@mail3.voicenet.com>

Gang,

Thanks to the very timely efforts of NorCal and Jerry Parker, the Rainbow Bridge/Tuner announcement is now prominently displayed on the NorCal web page!

Talk about fast action. I don't think my hands were off the keyboard here in NJ before Jerry had it up on the web in CA!

Check out the announcement for more details.
72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Pete Meier WK8S <pmeier@tir.com>
Subject: [6917] Sierra question
Message-ID: <199612220339.WAA13478@tir.com>

Hi Gang - Happy Holidays!

Anyone out there found a good paint match for the Wilderness Sierra blues?

Pete WK8S

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Jim Hydzik <congress@magpage.com>

Subject: [6923] Silver Gull

Message-ID: <199612220416.XAA03964@alaska.magpage.com>

One time goofy request.

In addition to QRP fame and flame, I'm also the birdwatcher who found the now infamous SILVER GULL (Red Billed Gull) in Pennsville, New Jersey in October. Someone passed along that a ham on this reflector was looking for more info on the gull and I'm trying to locate him/her to help. Let me know if you are looking for me.

Thanks for the BW, CU all in '97 FSFD

Jim K3QIO Delaware congress@magpage.com

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: W8IQB@aol.com

Subject: [6951] Special M-QRP-C Holiday Breakfast

Message-ID: <961222122602_1121461381@emout17.mail.aol.com>

Hi Everybody,

We are again having a special holiday Michigan QRP Club breakfast on Saturday, December 28, 1996 at Country Jim's Restaurant in Davison, MI at 10:00 a.m. All are cordially invited and please pass the word to those not on my list of recipients. Take the Davison (M-15) exit off Interstate Highway I-69 east of Flint, MI and go north to the first traffic light (Lapeer Road). Turn right (east) to 10098 Lapeer Road. Hope to see you there.

A very MERRY CHRISTMAS & HAPPY NEW YEAR to all.

72/73, Lowell W8IQB

Pres: Michigan QRP Club

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: gsurrency@juno.com (Gary L Surrency)

Subject: [6957] Strain reliefs, TAC-1, DVM, etc.

Message-ID: <19961222.113929.9718.1.gsurrency@juno.com>

As Bob, N6WG wrote about twinlead strain reliefs, I too, use this method

I . I cut up an old floppy diskette box divider for the plastic "T".
Works fine and cost was nil.

BTW, I noticed the other day Radio Shack has a nice T0-220 heatsink that is quite small but nicely made. The part no is: 276-1368, and it is 1x5/8x5/8".

Made of black anodized aluminum, it is pre-drilled and threaded for a 4-40

screw. If there is enough PCB real estate, you can mount the transistor vertically on this heatsink. That would allow for straight, short leads to the PCB pads for minimal lead length. If a horizontal mounting position is required, a thru-the-PCB arrangement should be possible, or some cement could be used.

It is an extrusion, and appears to be ideal for the typical QRP power levels we use. It might be a good item for the 38 special, I don't know without having the circuit board placement and layout for the add-on IRF510

MOSFET PA option. It is a very nice looking heatsink. The price is \$1.49 US.

I'm almost finished with my TAC-1 for 80m. I had a problem with one of the MV209 varactors in the VCO, making the tuning range not quite the full 250Khz. The synthesizer was giving out of steam at about 3700Khz. Dick at S&S says the last batch of diodes he got was a little too high in minimum capacitance, so he's sending a couple more for me to try.

The transmitter is A-OK at 7 watts out, and the input bandpass alignment went fine after I added one more turn to the 16 turn windings of the two toroids. Again, I found a lower noise figure with a couple of MPS2222a transistors for the RF and IF amps, which were originally 2n5770s. Aligned the transmitter bandpass filter with the trusty MFJ-259 analyzer as I did before with the 40m TAC-1. Works beautifully! Only a sweep generator and spectrum analyzer would work better.

I received a new RS DVM from the wife for a birthday gift. It works pretty well, and does capacitance measurements, Hfe, and frequency to 2MHz. It is the 22-174a model, and is full auto-ranging. For about \$89.95, I haven't found a better unit for a similiar price. And I had a 10% off coupon for being a good RS customer! Their only unit that is above this one, is the one that has a computer interface and counts to 20Mhz, but it is NOT auto-ranging. I think this is a very nice DVM for the money and does most of what I need it for. It will identify NPN or PNP type transistors, and display their Hfe as well.

The frequency counter, being limited to 2 MHz won't cover a lot of

frequencies, but I found it to be useful to determine the center frequency of the active audio filters of my S&S rigs. Looks to be about 650Hz on the TAC-1s, and about 700 Hz in the Ark 30.

I have another RS DVM that is about 4yrs old, but not as sophisticated as this one. I blew a shunt in it for the 300mA range, but got a replacement resistor from RSU (Radio Shack Unlimited) and repaired it easily.

The only thing I found about the new DVM I don't like, is it doesn't go to zero on the Ohms range when the leads are shorted (only goes down to about 0.3 ohms. Another DVM in the store showed the same characteristic. This is true of the slots for the component measurements too, with short piece of wire across the input. So the resistance of the test leads is not a factor. But my other, older RS DVM (pn 22-186, now discontinued) will read to zero, so I'll use it to measure low ohms. I just got an new top cover for it to replace the old beat-up one for \$7.00! I would recommend RS DVMs as low priced test gear, since they are very well supported by the stores and are easy to get repairs/parts for. Not a Fluke or HP DVM, but affordable by frugal (read: cheap) hams. ;-)

Disclaimer: I have no relationship to RS. Just a satisfied customer.

72 and Happy Holidays,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [6920] Therefore:Which Tuner?
Message-ID: <961222040145_70511.3041_IHD43-1@CompuServe.COM>

Gang:

Have been trying to track all the discussions about tuners, efficiency, etc. running on this reflector. Eventually will learn enough about the subject to be able to make more informed choices when selecting one for my QRP setup.

But in the meantime--which currently available commercial offering is proving to be the best available for QRP? (Regardless of size, cost, complexibility, etc.) That is, what are YOU using that works?

IE, I simply don't have the time or technical or physical ability

currently to do different than simply *purchasing* something ready to go. May be an expensive solution and perhaps/likely a compromise, but there it is in my situation.

Please help! Thanks, and Happy Holidays.

72/73,

--Doc/K0EVZ QRP-L #861

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: Dan Hogan <dhhogan@lightside.com>

Subject: [6960] TS-140S

Message-ID: <3.0.16.19961222094815.09879df8@mail.lightside.com>

Thanks to you all. I have the TS-140S QRP power solved. Is this a great group or what!?

Happy Holidays All.

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: macdondd@cadvision.com (Duncan David Mac Donald)

Subject: [6927] Wayne Burdick address.

Message-ID: <199612220440.VAA85716@huey.cadvision.com>

Could somebody on the net Please send me the E-Mail address of Wayne N6KR as I have a couple of Questions to ask him re the Sierra and the KC2 Thanks 72 de Duncan

QRPm is getting the Most from the Least.

QRP is getting the Most from the Least.

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: Steve Miller <kg7pv@teleport.com>

Subject: [6969] WB9KZY Keyer comments

Message-ID: <1.5.4.32.19961222220433.00663a14@mail.teleport.com>

Hi all, this is a "well done" to Chuck (WB9KZY) for the design and kit of his memory keyer. The board is small (and pads close) but it worked first time out. I put mine in

a 4 x 4 x 2 box since it will be used mostly here in the shack. Keyer has 4 memories and sidetone. Chuck programs the memories if you send typed copy with your order.

I had him do 3 leaving one open. The case I used allowed for a small speaker on the front panel with the speed pot and speed readout (via the sidetone) button. Took longer to drill and install parts in the case than to solder the board. Even has a straight key input so I installed a jack on the case so I could keep it plugged in all the time. Final note - Chuck's instructions mention that some 1 meg pots (speed) have a low maximum which affect the slow speed setting since the max resistance = slowest speed on the control. I tried two pots, one from RS and the other from a local parts house. Both pots were 870 k! The speed range was fine for me so I did not add a resistor to bring the pot to 1 meg. Cost was \$22 shipped. 73

Steve Miller KG7PV Portland, OR
(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "Ronald H. Evans" <ronald_evans@pipeline.com>
Subject: [6913] Which (kenwood icom yaesu ?) draws least DC.
Message-ID: <2.2.32.19961222022458.006c6800@pop.pipeline.com>

Does anyone know which of the commercial rigs draw the least current on receive? The Serria is listed at 36 MA, I think, and I know none of the synthesized rigs can even come close but I would like to know anyway. I have a TS-440S/AT. Tnx, Ron K4KTB

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [6971] WRC-99 HF Proposals?
Message-ID: <19961222.175953.4703.0.wb2vuo@juno.com>

I don't have full Internet access, so I can't browse the various Homepages out there, but I wish I could.

One of the locals here near the Great Bergen Swamp sez that there's been info on the World Radio Conference in 1999 (WRC-99), and some of the proposals being discussed now is expansion of the HF bands. From Lou's comments, 160 and 80 will be unchanged, proposed changes are on 40 & up,

with 40 possibly moving to 6900 - 7200 KHz exclusive, 30 expanding to 10.100 - 10.310 MHz, 20 to 14.000 to 14.450 mHz, 17 to 18.068 - 18.318 MHz, 15 and 12 unchanged and 10 to 28.000 - 30.000 MHz.

The losses are potentially in the VHF/UHF/SHF range, with the 2 Meter and 70 cm bands BOTH under consideration for re-allocation to LEO (low-Earth Orbit) based communication systems.

Anyone have any "real" dope to go with the rumors?

Could an "Exclusive" QRP band be in there?????

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, ARRL LM, TS (WNY Section), VP/BARK,
Trustee, KB2YTW/B 10 Mtr Milliwatt Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen Swamp...FN13ac"

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "Paul F. Young" <pfy@axe.intercall.com>
Subject: [6935] Re: 38 Special -- Extra Parts Kit
Message-ID: <3.0.32.19961222063653.00683b50@mail.intercall.com>

At 11:28 AM 12/21/96 -0500, you wrote:

>Now that so many orders have been placed, I'm sure some of us would
>appreciate being able to obtain the extra parts (i.e., connectors, controls,
>cabinet,.etc.) that are needed plus the parts for most of the standard
>modifications (power amp., RIT, etc.) from a single source. I've come up
>with three approaches to doing this and would appreciate your thoughts.
> Please e-mail me directly with your responses/thoughts on the following
>questions/approaches and I will summarize and share them with the group.
>

>1. How many of you would like a standard extra parts kit? I imagine cost
>would roughly be in the neighborhood of \$20 - \$25 including a nice Ten Tec
>(or equivalent) cabinet.

>

>Approaches:

>

>A. Suggest to a couple of suppliers (e.g., Dan's Small Parts) that they
>provide such a parts kit. I mention Dan as an example only because I notice
>that he already stocks most of the parts.

>

>B. Have a club or informal group (e.g., I know there are number of us in the
>DC area) volunteer to take this on.

>

>C. Have an individual(s) volunteer to do this. I originally thought of
>offering to do this myself and it's still a possibility. However, it would
>mean that I'd have to pull my wife away from her temp. job to handle most of
>the labor and I would have to charge some nominal amount per kit to cover her
>time. Also, since I haven't done anything quite like this before I would
>need some guidance from the more experienced folks.

>

>I know that part of the attraction and rationale for NorCal supplying a board
>and parts only kit is to allow for customization for the building contest,
>etc. However, I think it would be nice to have this option as well and the
>NorCal folks have already done more than their share of labor on this
>project.

>

>So let's hear your views on this!

>

>72,

>

>Ron (KA3J)

>Bethesda, MD

>

>

>

Ron,

For those of us buying the "38 special" as our first kit it makes a lot of sense because it would cut down on the mistakes of buying and trying to fit the wrong parts which would also cause the overall project to become less enjoyable for first time kit builders.

<color><param>0000,8080,0000</param>Paul F.Young KC2AHB

pfy@mail.intercall.com ,76716.722@compuserve.com

Ramapo Mt. A.R.C, S.A.R.A. (N.J.)

AKQRP #042 QRP-L #881

</color>

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: Paul Harden <pharden@aoc.nrao.edu>

Subject: [6962] Re: 38 Special -- Extra Parts Kit

Message-ID: <199612222028.NAA22204@zia.aoc.nrao.edu>

Ron, and others,

I just received a prototype board of the 38-S from Doug Hendricks saturday afternoon. He has asked me to build it and check for any problems, ideas for the instruction manual, etc. I've got the board almost done (since parts on still on order, I had to provide some of the parts myself). I hope to finish it up tonite. I'll post my comments later in the week, like after I make a QSO or two and

run it through the test bench.

I will say a couple of quick things:

1. Nice board, double sided, professional.
2. Part fit it nice, some good thought went into the board for parts layout, etc.
3. *** MODIFICATIONS: Some of the modifications you have heard rumors of, such as better IF filtering, the 4-5W IRF510 amplifier, the PIC Keyer, etc. ARE ALREADY ON THE BOARD!!! I mean, the holes are there and the traces are indicated on the board where to cut if you wish to add these mods, although I was not provided with any specific info on the mods (my job is to build this one "stock." Really slick and ready to go.
4. IMPROVED SCHEMATIC. There are a couple of notable changes on the board NOT shown on the schematic on the web page or the QRPP article. Such as a buffer transistor for the output PA for better isolation and drive.

MORAL OF THE STORY ... while many of you are no doubt anxious for the 38-Special to hit the street ... it *IS* almost here. The fellas back in CA are working on the project daily, it is a dynamic project at the moment with people (like me) helping.

So before you decide to start kitting up your own mod kits, etc., maybe you should wait to see what the 38-Special has in it first and what the initial performance specs looks like. It is a full-blown superhet with built in audio filtering.

The kit has around 100 parts plus the PC board plus the instruction booklet for \$25. This is possible because Doug Hendricks, Jim Cates and others are donating countless hours of time to kit them up. Seems kinda awkward they should be expected to donate their time to make such kits available while somebody else provides a mod kit for profit. And BTW, IRF510's are available at most Radio Shacks.

So at least wait to see what you get in the final product before making too many plans towards the modifications. You'll find most of these things are already in place or addressed on the current pre-production boards.

72, Paul NA5N

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: rhight@primenet.com (Roger Hightower)
Subject: [6919] Re: Alzheimers
Message-ID: <199612220402.VAA11478@primenet.com>

At 06:33 PM 12/21/96 -0500, NilsBull@aol.com wrote:

>Damn! See, I knew it wasn't me! I just knew it was them rays. And after all
>these years to have someone point out the obvious makes it all the more easy
>for me to explain the aluminum foil in my shorts (not to mention on the bed
>and between the covers and in my hat and my gloves and the jacket that I wear
>when I'm at work, the one with the little circuit inside the one pocket that
>warns me whenever THEY are around 'cause you don't wanna get caught without
>your aluminum foil undies when THEY come back. You know what happened last
>time!

>

(snip)

Nils, I'm really glad to see they have adjusted your dosage...back to your
old self, eh?

72/73 de Roger N7KT (Ex-AA7QY) Mesa, AZ Grid DM43cj

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: Dan Keen <70731.722@CompuServe.COM>

Subject: [6928] Re: Alzheimers

Message-ID: <961222072555_70731.722_EHM53-1@CompuServe.COM>

I can confirm Rick Zabrodski's message. The study he cited was big news,
indeed the lead story one day on the CNN cable network, about a month ago.

Their news summary for popular consumption stated that there was found NO
correlation among manifold tests between EMF exposure and adverse health
effects. The 500 tests included testube exposure of biological tissue,
radiation of laboratory animals, and analysis of health statistics for
occupations involving high daily levels. For instance everyone down at the
Livermore Lab smirks about how precisely Little Buttercup orbits around the
potential node.

Dan

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: gsurrency@juno.com (Gary L Surrency)

Subject: [6956] Re: Alzheimers

Message-ID: <19961222.113929.9718.0.gsurrency@juno.com>

It sure is nice to have Nils back on board! I haven't stopped laughing yet! :-)

Maybe you should write some scripts for the X-Files. Or are you already doing that? ;-)

Welcome back Nils!

On another topic:

I just started reading "A Brief History of Time", by Stephen Hawking. This is an excellent book written so almost anyone can understand what Stephen is thinking about. Once you start, you won't want to put it down. It's in paperback for \$14.95 at any good book store. If you saw the Nova program on PBS about Stephen, you'll want this book. Sorry for the non-qrp bandwidth, but it makes a good gift, too. Stephen and Al Einstein are in a class by themselves. Introduction by the late Carl Sagan, whom we'll all miss. I hope he and Al have all their questions answered now. ;-)

Still looking for that unified-field theory,

Gary Surrency AB7MY

S&S TAC-1(40&80m) and ARK30

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: Bob Kellogg <ae4ic@nr.infi.net>

Subject: [6910] Re: ANT & RE:Tnx to The Keeper of the List

Message-ID: <199612220154.UAA26746@mh004.infi.net>

At 07:28 AM 12/21/96 -0500, you wrote:

>On Fri, 20 Dec 1996, Bob Edwards wrote:

>

>> > Twinlead feedline has separated from the double-

>> > Zepp antennawire..... How-do-ya keep them durn things connected?

>Roy Gregson of EMTech has a center connector for parallel line that is intended to solve this problem by eliminating the flex stress from the wires and wire junctions.

>I have not actually used one and would appreciate a general report to the group from a user.

I use one on my 400' horizontal loop. The loop has only been up about 5 months, so I can't give a long term report. However, the design looked good to me. It's called a "Ladder Grabber"

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not necessarily. - Benny Hill

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: mike wood <K6MW@server.worldinfonet.com>
Subject: Re: ANT & RE:Txn to The Keeper of the List

LB,

I have one of the "ladder Grabbers" from Roy and have to say it would be a great device at twice the price. It secures ladder line firmly and allowed me to create a 40m dipole that is bullet proof at the connections. Looks a lot better than anything else I have seen on the market to date.

Think anybody working with ladder line would want one.

73, mike

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [6937] Re: ANT & RE:Txn to The Keeper of the List (fwd)
Message-ID: <Pine.SOL.3.94.961222065111.20359G-100000@utkux4.utcc.utk.edu>

Mike's report is typical of all those who responded about the Ladder Grabber. I thank everyone. No one reported in the negative.

-73-

LB

----- Forwarded message -----
From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Vic Rosenthal <rakefet@rakefet.com>
Subject: [6906] Re: Antenna close to roof

Message-ID: <32BC880C.1D80@rakefet.com>

Ron Giuntini wrote:

>

> I am in a wood and stucco house with a composition roof. I wonder if there
> is any point to my trying to use a dipole type antenna without traps if the
> antenna is at some points only about 5 or ten feet above the roof.

> Basically, how much interaction can I expect between a mostly wooden
> structure and an antenna? Any thoughts?

> Ron

In my opinion, pretty much NONE, even when it's wet. Of course, you should be careful if the antenna happens to run parallel to electrical wiring or metallic flashing immediately under the roof.

Vic K2VCO

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: launerb@crl.com (William H. Launer)

Subject: [6912] Re: Antenna close to roof

Message-ID: <v01530501aee248007a03@[192.0.2.1]>

I've used an antenna lying on the roof with success, even if it's covered with light snow. It's no different from attic mounted antennas. The real drawback, aside from low height, is the proximity with the house wiring, which can conduct interference to tv's and telephones. This isn't a big problem at qrp power levels, but "reverse TVI" radiated from the wiring is a real problem and can interfere with your reception, especially on 80 m.

72, Bill wb0cld

Bill Launer

St. Charles, MO

launerb@crl.com

wb0cld@wb0cld.ampr.org [44.46.66.25]

qrp-1 #279 qrp arco #3551

Grid Square EM48RT

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: J0ppen6115@aol.com (by way of Ed Tanton <J0ppen6115@aol.com>)
Subject: [6931] Re: Antenna close to roof
Message-ID: <3.0.32.19961222034102.0092e880@tiger.avana.net>

Dear Ed,

Be cautious in assuming that your walls are non-conductive. Most stucco is put on over a metal wire mesh. In my QTH (they don't know how to build anything BUT stucco in So. Ca) the stucco seriously detunes dipoles under the eaves and virtually precludes indoor antennas.

If anyone has any solutions or suggestions, I'm all ears!

Ed, please forward this to QRP-L, as I don't have their e-mail address handy.

73,

John Oppen, KJ6HZ

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [6936] Re: Antenna close to roof
Message-ID: <Pine.SOL.3.94.961222064022.20359E-100000@utkux4.utcc.utk.edu>

On Sun, 22 Dec 1996, by way of Ed Tanton <J0ppen6115@aol.com> wrote:

> Dear Ed,

> Be cautious in assuming that your walls are non-conductive. Most stucco is
> put on over a metal wire mesh. In my QTH (they don't know how to build
> anything BUT stucco in So. Ca) the stucco seriously detunes dipoles under the
> eaves and virtually precludes indoor antennas.

>

> If anyone has any solutions or suggestions, I'm all ears!

Rather than treating the dipole as a monoband antenna and feeding it with coax, why not use parallel feedline and an antenna tuner? It is not possible to predict the pattern distortions created by the mesh, so one house will differ from another. However, pruning the antenna to death may be far more time consuming than profitable. The tuner may also allow operation on other bands. Check each band for RFI generation, since the mesh may act like some older aluminum siding and create point diode junctions where pieces meet, and diodes are harmonic generators supreme--probably not a big problem at QRP but can be a big one at 100 watts.

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Dan Hogan <dhhogan@lightside.com>
Subject: [6959] Re: Antenna close to roof
Message-ID: <3.0.16.19961222102231.0987ccaa@mail.lightside.com>

I just installed a Tri-Loop over my roof of my So-Cal tract home. Fed it with coax at 50% of the vertical wire. The 59 ft. lower wire clears a dormer by 6" and nowhere is it over 4 ft. above the roof. My max permitted mast height is 36 ft., one is 35.5 ft and the other is 26 ft. The antenna runs close to True N/S. Before this installation EVERYTHING was down in the mud. Now I hear JA's XE's, and one BT. Now they are probably not QRP, but I never heard a JA before. Oh yeah, W7's sound like they are in the same room with me. There are power/telephone lines parrallel to the antenna.

Tunes with my 1980 MFJ-941 40m 20m, 15m, 10m. at under 1.5:1. Get some thing up that will fit your situation and play with it.

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "Phil, K6LS" <k6ls@amsat.org>
Subject: [6932] Re: ARCI "1000-Mile-Per-Watt" Award ?
Message-ID: <32BCEA51.45EB@amsat.org>

Jack WA7LNW wrote:

>
> Can anyone tell me how to get in touch with the QRP ARCI ?
>
> Also wondering if they still offer their "1000-Mile-Per-Watt" award ?
>

The 1000 mi/watt award is still offered.... Got mine back in october for 2,315 (~) miles/watt with the ol' 40a.

ARCI Membership Chairperson (as shown in the Oct 96 QRPQ) is
Michael Bryce, WB8VGE
73357.222@compuserve.com

And Awards Chairman (agn, as above)

Chuck Adams K5FO
adams@sgi.com

There may have been some minor personnel changes, but these are correct to my knowledge.

Happy Holidays...73 de Phil K6LS

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [6934] Re: Balanced tuner
Message-ID: <Pine.SOL.3.94.961222055828.20359D-100000@utkux4.utcc.utk.edu>

On Sat, 21 Dec 1996, anthony j colaguori wrote:
> Guess this approach goes back to the system we used in the " 30's
> ". BUT IT WORKS.
Gang,

Tony's note above brings up an important point: just because it's new don't mean it's better, and just because it's old don't mean it's worse.

It is important to figure out what the basic principles are for any of the devices, circuits, and techniques are. Then figure out why they are being used or not being used.

Commercial tuner makers know hams want things cheap, compact, and simple to use. (At least they think they know that.) Hence, the C-L-C tuner is the standard commercial design.

Duffey's flipped L circuit is not simple to use because you have to find coil taps and switch the capacitor--not good for the sealed box syndrome. The inductively coupled tuners noted on the list are probably best for parallel feeders, but require plug-in coils, taps, and other "hands inside" operations. Balanced PIs or even a balanced C-L-C requires expensive split-stator capacitors or mechanical tracking. Any of these things can make up a very fine tuner for parallel feedlines, and all are based on principles that were well known in the 1930s. They are not commercially used for reasons other than electronical soundness.

On the other hand, the 4:1 balun stuck in the output of the average commercial tuner is likely to be lossy unless the lines present a perfectly resistive load to it. Expecting hams to use it with parallel feeders is a case of commercial tuner-makers expecting hams to be ignorant of their losses. Unless you precompensate for reactance and design your

line lengths for the right resistive component, as Cecil has done, modern will be worse in most cases than the classic 1930's inductively coupled designs. Interesting that just when we think we know more, we have to compensate for shortcomings of devices sold as the most modern.

The modern array of network tuners available are primarily designed for the station using coax to an antenna that is already supposed to have a feedpoint impedance close to 50 ohms. Any other use takes them out of their primary design scope. Some do well in this outside region; others do not.

For field use, where I want something compact (unless I design something into my own rig), I'd rather use a Z-match or an L-match than one of the commercial small networks with limited C-values and only a few coil taps, unless I was using an almost resonant dipole. Even away from measuring equipment, I'd have more confidence that I was minimizing my network losses. However, for coax-fed monoband antennas, I have used numerous networks designed for the band in question, all with good success.

So, he said at the bottom line, analyze what you need a tuner for: what kind of antenna, what bands, what operating conditions, etc. Then go back to basic principles, which are ageless, and design the best tuner for that set of purposes. If your design is close to an existing commercial design, you may prefer to use it ready-built. If not, it is time for home brew--even if this means lurking at hamfests and investing in components from surplus dealers. And start collecting. Since toilet paper rolls for coil forms are not as sturdy as they used to be, save all those rolls under the Christmas wrapping paper. Most are junk, but a few have turned out to be pretty sturdy. If you build a tuner with such materials and like the design, you can always go back and build a pretty version later. But save the old one for telling the new generation what it was like in the "old" days.

Happy holidays.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Steve Miller <kg7pv@teleport.com>
Subject: [6949] Re: Balanced tuner es paper coil forms
Message-ID: <1.5.4.32.19961222171530.00694cfc@mail.teleport.com>

You wrote:

```
>Date: Sun, 22 Dec 1996 06:34:21 -0500 (EST)
>From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
> Since toilet paper rolls for
>coil forms are not as sturdy as they used to be, save all those rolls
>under the Christmas wrapping paper. Most are junk, but a few have turned
>out to be pretty sturdy.
>Happy holidays.
>
>-73-
>
>LB, W4RNL
>
>
The cores from fax paper are about 1 1/8 " in outside diameter and very sturdy.
Might make a good form to build coils....72/73
```

Steve Miller KG7PV Portland, OR
(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: N4JS <jsielke@pobox.com>
Subject: [6964] Re: Christmas FOX Announcement
Message-ID: <Pine.LNX.3.95.961222154448.10234A-1000000@jsielke.ppp.cyberenet.net>

On Sun, 22 Dec 1996, ERNEST GREGOIRE wrote:

```
>
> Point your beams at Canaan NH. (just a little way up the state from
> the Mass. border on the Vermont side of the state.
>
> The antenna will be a 2 element beam up 84 feet pointed south west
> at first. I will rotate it if neccessary.
>
Turn my BEAM???? Methinks you have me confused with someone with money ;-)
```

Seriously, if I can't hear the fox THIS time, I give up!!

/ \ / \ / \ / \
(N)(4)(J)(S)

_/ _/ _/ _/

John L. Sielke n4js@amsat.org
n4js@hotmail.com n4js@n4js.ampr.org
<http://www.pobox.com/~njbirdman> QRP-L #884

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Ken Freedman <n1qqv@cshore.com>
Subject: [6915] Re: club qrp presentation
Message-ID: <2.2.32.19961222023609.00694ff0@cshore.com>

At 07:10 AM 12/21/96 -0600, you wrote:
I'd appreciate any suggestions on ways to capture
>everyone's attention.

>

Hi Frank,

You asked for it, so I'm going to tell you how the QRP guru in our club started his talk: He came on stage carrying a soccer ball in his hands, kind of tossed it back and forth from hand to hand for a few seconds and then said, "If you're gonna' operate QRP, you need a lot of these!" Then he did some funny lines about how you never tell the ham at the other end that you're QRP until AFTER you get your signal report and tossed the ball off-stage. He sure did get everybody's attention! And it worked in at least one case. Here I am.

Good luck. 73, Ken
Ken Freedman
AKA: N1QQV/QRP VE, EC Madison CT
Living Proof That, "You don't have to be a blonde to be light headed!"

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: VE3JC John <jbcumming@wwdc.com>
Subject: [6947] Re: club qrp presentation
Message-ID: <32BD682F.2EA0@wwdc.com>

Frank Emens wrote:

>

> In a rash moment I agreed to make a presentation to the local ham
> club on qrp. Does anyone have any inputs on the best way.....

Hi Frank -

I did a presentation for our local club last year, and found the

following approach worked very well:

First, I enlisted three other qrp addicts to bring along their equipment for a brief show and tell (VE3EZP brought his "Argo 509 station in a briefcase", VE3ONK his HW7,HW8,and tiny HB rigs, VE3RIA his HW9, and I had my QRP+ and "backpacker special" fan dipole). Each person gave a five minute talk about their equipment and special QRP operating experiences. The club really enjoyed John VE3EZP (originally from "across the pond") talking about operating from "the garden" on a return trip to England several years ago: John was using his "G" call, with several watts from the 509 to a piece of wire, and happened to hear Richard VE3JEV, a member of our local club calling CQ. John answered the call, and in the next exchange disclosed his VE3 identity.

Richard (who lost some of the exchange in qsb)replied "sure, I know John..." to which VE3EZP had to reply several times "I KNOW you know VE3EZP because I AM VE3EZP!!!" Richard was in the audience, so it was real magic hearing both parties recollect this interesting QRP qso.

The five minute "show & tell"s demonstrated a number of things to the local club: - QRP can be as varied as other facets of ham radio - QRPers are not a homogeneous group of "geeks" focussed on only one type of operating. - QRP can be inexpensive, and can be effective. -Most of all, QRP is a "blast"!

I also brought along my library of magazines with good QRP articles (eg Oct./93 '73 which has an excellent "QRP Q&A" on p. 22)and QRP books. Just lay these out on a side table, and let people browse during the coffee break. (Btw,make sure you have a nice long coffee break, and have your co-presenters stick by their equipment to answer any questions. Some people can be very shy about asking questions in front of the whole club, but have lots of questions "one on one". You may be amazed at how little some people know about QRP, or at how many club members have NEVER observed an HF QS0, in spite of repeated invitations by "elmers" and field day organizers! You may be able to "hook" them on hf, cw, and qrp all in one shot!)

Finally, I made up two-page handouts for folks to take home. These included qrp calling frequencies, list of qrp nets, contests, and clubs, plus a brief list of good articles and books. You never know when the qrp "bug" might bite, so I think its useful to give your members some paper they can pull off the shelf a few weeks or months after your presentation. I also included a promo sheet for the MI QRP club (the closest active qrp club to us). VE3ONK also distributed a sheet, which contained the following:

QRP:

The ancient Chinese philosopher Confucius said "It is not the size that matters it is the way you use it"

Why use QRP ???

If 100 watts gives an S9 signal,

Then 25 Watts = S8
6.25 Watts = S7
1.5625 Watts = S6
0.39 Watts = S5
0.39 Watts will give a signal only 4 S units lower than 100 Watts !!
***** REAL Hams use QRP !!!*****

Encourage your members to try this on their 100 W rig : find a signal that is just moving the needle, then apply the 20 dB attenuation, and see if you can still copy.

Hope these comments give you some ideas.

Have fun with your presentation !

72 & 73 for the holidays,

John

VE3JC - JOHN CUMMING
192 WELLINGTON ST. DELAWARE, ON CANADA, N0L 1E0

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Joe Gervais <vole@primenet.com>
Subject: [6955] Re: club qrp presentation [LONG]
Message-ID: <199612221802.LAA17483@primenet.com>

Howdy All,

> I'd appreciate any suggestions on ways to capture
> everyone's attention.

Here's a starter - most of 'em are probably already working QRP!!! What's the power out on those HT's they use? Are they communicating with other hams? They've been proving that QRP works all along! :-)

Which brings me to the next point. QRP does NOT have to mean "CW HF". Sure it's the most popular (and easiest) QRP mode, but there are plenty of folks running QRP SSB, QRP digital modes, etc. Mention the NW QRP Digital contest in Feb! How about the ARCI QRP SSB contest? QRP categories in the major SSB contests?

And you don't have to go "cold turkey". Cut your power from 100w to 50w for a week. Then try 25w the next week. Etc.

Another good approach would be to address the Great Myths of QRP. If you poll the audience about the "limitations" of QRP, I'm sure plenty of Anti-QRP QRO-ers will cheerfully parrot them for you.

MYTHS

#1 - "Running QRP means making few contacts." Sheesh. I'm sure I'm not alone in this, but very rare are the nights that I get on the air to have a QSO and can't get one. (Hey, Fox nights don't count! :-)) . Most nights I'm on the air I have 2-3 QSOs. How many QSOs did some of us score during Sweepstakes? How many 2xQRP QSOs are made during Fox nights? Know the bands, have a reasonably efficient antenna system, have all the QSOs you can handle!

#2 - "To successfully run QRP you have to have stacked Yagis up 100 ft." No No No. No. Sure, it'd be nice, but who of us can boast being so lucky? Simple, resonant antennas are all you need to be happy. A nice resonant dipole, low or high. Or in my case a Hamstick vertical with raised radials. Again, carefully tuned to resonance.

#3 - "You can't work 'real' DX with QRP." This is the mantra of the poor fellows who've spent thousands of \$\$\$ on their linear amps. Must be a defense mechanism to protect their investment! The Great Maker as my witness, I had a KW diehard tell me to my face that you could never work DX with QRP and a Hamstick. I told him I'd recently worked Russia and Japan with just such a setup. He stammered a bit, muttered something about it being a fluke, then walked off. I'm sure he's managed to block out the traumatic conversation by now. :-)) We have two List members who have DXCC with their trusty ol' NorCal-40s, as I recall. And who was the happy 6-land ham who just worked EA9 while SSB?

#4 - "QRP is too hard for beginners." Well yes and no. If you can put up a resonant antenna, have a reasonable fist (for CW), *and* understand how the bands behave on average, you have all the prerequisites for being successful at QRP. That and a bit of attitude. :-)) For beginners, stick to calling the loudest signals on the band. Not bragging, and I'm not the only one here to do this, but I've been QRP since my first day as a ham. It's not for everyone, but there's certainly no harm in trying.

TRUTH: QRP puts the fun and excitement back into hamming! The

rigs can be small, battery-friendly, and very affordable. You can really build a simple rig and make contacts with it! You'll constantly amaze yourself (and others!) by what you can do. And that alone will put the magic back into ham radio for most of them. And best of all, QRPers are **very** polite and friendly. We could all use more of that in amateur radio!!!

Guess I've gabbed enough. Yeah, I know - big surprise. :-)
Hope the talk goes well!!!

Ho Ho Ho de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPions

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [6970] Re: CMOS vs. 74HCT
Message-ID: <Roam.3.0.1.851292613.22188.myers@bigboy>

> Gang-

>

> Answered my own Q.

>

> 74HCT04 cannot be fooled into thinking it is an analog linear amplifier
> for audio signals. Quick lash-up on the bench shows very non-linear
> amplification, and a distressing tendency to oscillate at VHF (abt 130
> MHz). Plugged a 7MHz crystal in, in the place of the 10 pf cap I had
> between input and output of inverter, and got nice 5 volt pk-pk
> trapezoidal waveform... shouldn't be too hard to clean up. Sure would
> make for a simple QRP transmitter, all right. But an audio amp, no.

Yeah, the HC stuff has too much gain. It is 'buffered', with a total of three stages. However, the 74HCU04 is intended for amplifier applications. I've never actually seen an 'HCU04, but Motorola lists it.

My own experience suggests that CMOS gates are too noisy and otherwise less than ideal to hassle with them in audio applications. CMOS op-amps, however, are an entirely different story. The latest generation of CMOS/Bi-CMOS op-amps are darn near the ideal op-amp I used to read about years ago. Analog Devices make some particularly nice parts, but NatSemi, Harris/RCA and the others all make very competent devices. Modern CMOS op-amps are one very good example of why homebrewers have it better today than **ever** in recorded history.

CMOS inverters are commonly used as xtal oscillators, by the way.

Dana K6JQ
Dana@Source.Net

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [6953] Re: DX, DX
Message-ID: <199612221758.KAA24251@dancris.com>

At 12:41 PM 12/22/96 +0000, you wrote:

>Worked VK8AV on 15m CW today - using 3 watts from my Ten Tec Argo 515 to
>a Cobweb at 32 feet. Made my day! Anyone else worked him?

^^^^^^

>

Cobweb? Cobweb? Do I smell a new antenna here? Got any details?

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: PA3ASC@mailbox.hol.nl (Mike Perry)
Subject: [6954] Re: Flying and radios.....
Message-ID: <199612221802.TAA18293@bonny.hol.nl>

Hank K8DD wrote

>If you're going to be or look nervous, put
>the radio stuff in your checked in luggage!

>

I've been off the travelling treadmill for a few years
now, but my memories of things over here (in Europe)
are that you must not put electrical equipment in
checked baggage. In several EU countries, the
law or regulations required (and probably still do)
that all electrical equipment to be carried in handbaggage.
If you leave electrical things inside your checked
bags, you may have to wait a ver r r r y long time
at your destination before you get your luggage ...

FWIW, another approach to take a radio trouble-free
is to write to the airline well in advance and ask for advice.

This can reduce the likelihood of surprises in all camps.

Hope this helps those who may travel to DX places.

73 d e PA3ASC

--

Regards,

Mike Perry. [e-mail :- PA3ASC@mailbox.hol.nl]

=====

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: "Arjen Raateland, SYKE/YV, puh. 09 4030 0457" <Arjen.Raateland@vyh.fi>

Subject: [6961] Re: Flying and radios.....

Message-ID: <01IDBRB3EDVQ8X0MTV@vyh21.vyh.fi>

> Hank K8DD wrote

> >If you're going to be or look nervous, put

> >the radio stuff in your checked in luggage!

> >

> I've been off the travelling treadmill for a few years

> now, but my memories of things over here (in Europe)

> are that you must not put electrical equipment in

> checked baggage. In several EU countries, the

> law or regulations required (and probably still do)

> that all electrical equipment to be carried in handbaggage.

> If you leave electrical things inside your checked

> bags, you may have to wait a ver r r r y long time

> at your destination before you get your luggage ...

> Mike Perry. [e-mail :- PA3ASC@mailbox.hol.nl]

For several yeasr I have travelled several times a year between Helsinki, Finland and Amsterdam, Holland by air. I always take a lot of radio stuff along but have never had any problems with it or even the most innocent remark about the contents of my luggage. I have usually had a few radio items in my carry-on luggage and sometimes a HT in my coat pocket, but most has to go in the one trunk I check in. Never had any delays getting the checked-in luggage, either.

The only problem I have with taking all the radios, is that I've only very little weight left of the 20 kg allowed for other useful stuff like a toothbrush etc. Actually I always have too much weight, hi.

Perhaps I have just been lucky.

73, OH2ZAZ

Arjen Raateland

--... ..-- ------ ---.. .- ---..
Finnish Environment Institute, Helsinki, Finland
SAS Support
EMAIL: Arjen.Raateland@vyh.fi
tel. +358 9 4030 0457
fax +358 9 4030 0490
..--. --

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Werner Jochem <Werner.Jochem@hoexter.netsurf.de>
Subject: [6967] RE: Flying and radios.....
Message-ID: <32BDA9CE.6CF8@hoexter.netsurf.de>

Hank Kohl wrote:

<some stuff deleted>

> I was asked by one airport security person to turn on the laptop - as soon
> as they saw the first display on the screen they said "ok - you can shut it
> off."
> One asked me to turn on the TS-50S. Explained that I needed to plug it in, and
> the powersupply was in the checked luggage. He looked at me real funny and
> said OK - go ahead to your gate.
....
> It seems the best way to go through both customs and airport security is
> to look dumb! I do that well. If you're going to be or look nervous, put
> the radio stuff in your checked in luggage! And like Cam, KT3A, said - do
> not take lead acid batteries!
>
> 73 Hank K8DD

Although most people around me say that I do look dumb I didn't manage
to convince the airport security at Rhein-Main Airport in Frankfurt when
I was leaving for a trip to Santo Domingo (HI8) in 1993.

Becoming aware of my FT707S the officer asked me to follow him into a
special room where I faced an apparatus looking like a vacuum cleaner.
In fact he began to exhaust the air through the apertures of the
cabinet. When I asked him for the reason of this procedure he told me
that they make a chemical analysis of the exhausted air looking for
traces of explosives etc. Three minutes later he gave me his ok and I
could leave.

73/72 Joe (ex HI8/DK7VW-qrp)

DK7VW (AC5KS)	ARRL * DARC * AGCW-DL * DIG * G-QRP-C * HSC
Werner 'Joe' Jochem	Tel: +49 5271 8577
Postweg 20	Fax: +49 5271 8560
D-37671 Hoexter	Email: Werner.Jochem@hoexter.netsurf.de
	jochem @ t-online.de

ax.25: DK7VW @ DB0HOL.#NDS.DEU.EU

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: rhight@primenet.com (Roger Hightower)
Subject: [6921] Re: FS:HW-9 Station package
Message-ID: <199612220407.VAA12690@primenet.com>

At 01:36 PM 12/21/96 -0700, Charles Stackhouse wrote:

> Please reply direct. Interested responses will be "placed in the
>hat" (thanks N7KT for this idea) and I will select one in one
week.

>
Thanks for the "thanks", but I can't claim originality...borrowed the idea
from another Lister.

Never did get a bite on my HW-9, so it's back on the bench. Might put the
LDG autotuner in it to see how it works.

72/73 de Roger N7KT (Ex-AA7QY) Mesa, AZ Grid DM43cj

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Jim Hydzik <congress@magpage.com>
Subject: [6966] Re: FSFD AA0SM Question to all
Message-ID: <199612222042.PAA13964@alaska.magpage.com>

Hello All, Tony asked the following question and thought the reply might be
useful to all.

Hi Tony,

>Should those of us who have *not* signed up as an "official" state station
>also participate as a state rep during the appointed night if we are
>available?

Absolutely! The focus of the activity is to try and activate the states
in some fashion so that everyone will know when that state they need is on.

A little structure as well as a lot of fun for us low power hunters and seekers.

As we get close to the start on Jan 01, the message will go out for anyone who is available in their state to both be on AND post their operating hours and frequencies to the reflector. Posting will help to keep 3 or 4 ops. in the same state from showing up on the same freq. and none of them hearing each other. Also, posting will help those in peculiar time situations to know if someone will be on early or late.

If you know you are going to be around late afternoon for example, and 20M is your favorite band, then you might want to post to the group the a day or two before in a similar fashion as the FOX, i.e,

AA0SM, Tony, Minnesota

WAS-QRP on January 23, 97 (Tony, that is the tentative date)

4-5:15 PM CST 14.058 MHz

(2100-2215 UTC)

It's simple and that tells K0EVZ and N00UR to pick a freq. a Kc or two away to avoid QRM problems. Using a subject line like: FSFD Minnesota AA0SM helps those who arn't interested to hit the delete button and save them time too.

That's it for now. Things have come together nicely and with fox-like enthusiasm from everyone. Also, there will be no FSFD during Spartan Sprint nights. More Later and thanks for your Question/interest.

CU in '97, Jim K3QIO Del.

>
>72.
>Tony Drumm
>ARS AA0SM - Rochester, MN
>
>
>

>

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Ed Tanton <n4xy@avana.net>
Subject: [6973] Re: Fw: Airline travel questions
Message-ID: <3.0.32.19961222181119.009317d0@tiger.avana.net>

Hi Bob... I have had to turn on my sub-notebook several times... and almost ALWAYS had to remove the lense from my SLR... but they have been more-or-less cooperative about hand checking my film. Even when (once or twice) they have refused, they end up having to do so because I use X-Ray resistant plastic boxes which opaque out on their screens... requiring the hand-check I asked for to start with! I have nearly always found American inspectors to be cooperative-even when busy-but not so good elsewhere. (One of the incidences of refusal occurred coming from Canada to the US (so to speak.) I must admit I enjoyed complying with their next request to open each (4 roll) film container at each end. I doubt the people waiting in line did. (I had them opened and ready to check BEFORE he made me pass them through the machine.)

I once had to ferry som Top Secret space hardware to the NE for some vibration testing, and had a fair amount of fun at the portal requesting a TS-cleared (by hand) inspector. THAT was a lot of fun! They treated it like it was nitroglycerine-as far as touching/looking at it was concerned.

Bottom line though-as you know-is that WHATEVER they insist on you might as well do-since you're not going to pass through that portal 'til he says so.

Season's Greetings.

At 08:48 AM 12/22/96 -0800, Bob Follett wrote:

>Gang:

>

>Cam wrote:

>

><<> This is a FAQ and I would think that most of the traveling QRP'ers
>> have experienced similar conditions. Let common sense prevail
>> and carry a copy of your FCC license to back up your statements.>>

>

>Adding to his comments, I have traveled many times with my Sierra or 40A, and
>usually pack everything except the radio in my luggage, either carry-on, or
>checked, and carry the radio in my briefcase, often with laptop and HT

>

>I have been inspected only once, and they were after a 9V battery! (as
>presented on their screen). I have never had to haul anything out, and
>amazingly, never had to demo my laptop, a sub-laptop sized machine. No one
has
>ever asked what the "equipment" was.
>
>The only time there was a hassle with my HT was when I was wearing it,
sent it
>through the scanner, and the agent at the other end picked it up by the
rubber
>duck. His supervisor came over, and chewed him out in front of me, pointing
>out you can damage the antenna that way!
>
>I most point out, however, most of my trips are domestic USA.
>Internationally, all bets are off!
>
>Oh yes, I haven't been hassled yet by a hotel when I run a random wire out
the
>window, but I don't know how much longer my luck will hold :-)
>
>73, Bob
>-----
>Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
>2861 Estates Dr. VOICE: 801.649.6457
>Park City, UT 84060 E-mail: bfollett@ditell.com
>
>
>
>
>
>
>
72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX
189 Pioneer Trail, Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA URL: Coming Soon

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [6929] Re: G QRP Club

Message-ID: <199612220816.IAA06842@mail.enterprise.net>

Mile Kilgore
10000 Walnut Street 2062
Dallas, TX 75243

cc to QRP-L becuase I am still getting request for info on the US rep
of the G QRP Club.

Apologies if you already have the info.

Don't forget the Winter Sports, from Boxing day 'til New Year's day,
Check the QRP freq's and work other QRPers. You do not need to be a
member to take part, but if you are a real QRPer, you do need to
Join!

Frank G3YCC

Frank G3YCC G QRP 042 QTH: Kirk Ella, Hull.

QRP Web site: <http://homepages.enterprise.net/g3ycc/>

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: TonyDrumm@ibm.net (Tony Drumm)

Subject: [6941] Re: Last States FSFD (short)

Message-ID: <199612221537.PAA46294@smtp-gw01.ca.us.ibm.net>

>Hey Gang,

>

>We're just about ready for the January 01 kickoff of the 50 States in 50

>Days activity. Last states that need volunteers for one evening is :

> CT, IA, KS, NE, NM, ND, RI, TN, WV, WY.

Should those of us who have *not* signed up as an "official" state station
also participate as a state rep during the appointed night if we are
available?

72.

Tony Drumm

ARS AA0SM - Rochester, MN

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996

From: George Dobbs <G3RJV@gqrp.demon.co.uk>

Subject: [6948] Re: Mike Kilgore's address

Message-ID: <7y djXJAU2duyEwUC@gqrp.demon.co.uk>

In message <v01540b01aee175017093@[198.53.172.28]>, Mary Barnes

<mbarnes@islandnet.com> writes

>Does anyone know if Mike Kilgore has an e-mail address? I sent him a check
>at the beginning of the month to join the G-QRP club, but I sent it to his
>old address and would like to find out if he is having his mail forwarded
>and whether he received it.

Hi Bill :

Mike has changed address to:

Mr. Mike Kilgore KG5F
10000 Walnut Street #2062
DALLAS
TX 75243

Although we prefer people to join the club via our membership secretary
in the UK and then renew through Mike.

Best Wishes

George Dobbs G3RJV
The G QRP Club
g3rjv@gqrp.demon.co.uk

"It is vain to do with more
what can be done with less"
William of Occum (1290-1350)

St.Aidan's Vicarage, 498 Manchester Road, Rochdale, OL11 3HE. U.K.

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Bill Myers <bmyers@destin.nfds.net>
Subject: [6933] Re: Rainbow Bridge/Tuner Kits FS (long)
Message-ID: <1.5.4.16.19961222050548.24af12bc@destin.nfds.net>

At 09:28 PM 12/21/96 -0500, Joe Everhart wrote:

>The cost of the Rainbow as described is \$25.00 each plus \$3.00
>for shipping (\$5.00 outside USA). Please make checks payable to
>James Bennett, not to NJQRP. James will be taking orders starting
>January 1, 1997 and ending on February 15, 1997. Each order
>received on or after that date will be assigned an order number and
>shipping will begin in mid-to late February according to the order
>number.

Is there a penalty if we order EARLY, like I put the check in the mail
TOMMORROW???????

> We are gearing up for 200 kits in the first run and will

>evaluate whether or not another kit run is needed.

With over 300 38 Specials already ordered, I don't want to miss out on a pair of tuners to go with my pair of 38's....

Happy Holidays.....

--

Bill Myers KK4KF Grid - EM60rk
FISTS#2390 QRP-L#755 ARCI#9282 scQRP#42 CQC#386
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bmyers@destin.nfds.net>
homepage <http://destin.nfds.net/~bmyers/>
 (Reptiles/Emergency Services/Amateur Radio)
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
<http://n9nvv.qrp.com/~fists> (That's N 9 N V V)

From owner-qrp-l@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: Joe Everhart <n2cx@voicenet.com>
Subject: [6940] Re: Rainbow Bridge/Tuner Kits FS (long)
Message-ID: <199612221532.KAA06274@mail3.voicenet.com>

Bill, you wrote, in part:

>Is there a penalty if we order EARLY, like I put the check in the mail
>TOMMOROW???????

Well I guess there really is no penalty, but the cut-in date has two reasons:

First, we all want James to have a happy holiday without being inundated by work. So he more than likely won't even open the orders until January first. (And he might wring my neck)

Second, since we don't have financial resources from previous kit offerings (in fact we don't even have a club treasury yet) we are going to use the early orders to help finance the project. And we can't begin parts ordering until the prototype testing is done. So we wanted to restrict the ordering period until we were close to being ready. Otherwise folks would have to wait a much longer time between ordering the kit and receiving it. Our goal is to ship the kits as soon as possible after ordering begins. Sorry, but the process is lengthy if you want to do it right!

Don't worry now we won't return your order like some federal agency we all know and love did. Once we start processing the orders we will begin

notifying individuals what their order number is. And we will issue periodic progress reports to let everyone know how things stand.

72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: w2gum@juno.com (anthony j colaguori)
Subject: [6945] Re: Rainbow Tuner/Bridge and the NorCal Page
Message-ID: <19961222.120404.5103.2.w2gum@juno.com>

HI JOE ,

Meeting time OF 10:00 AM is fine

Will give the boys, farther out, more time to get here.

Merry Christmas Gang and see you on the 28 th.

TONY GUM.

w2gum@juno.com

From owner-qrp-1@Lehigh.EDU Sun Dec 22 18:01:57 1996
From: rright@primenet.com (Roger Hightower)
Subject: [6974] Re: WRC-99 HF Proposals?
Message-ID: <199612222337.QAA27670@primenet.com>

At 05:59 PM 12/22/96 PST, William K Hibbert wrote:

>I don't have full Internet access, so I can't browse the various
>Homepages out there, but I wish I could.
>

>One of the locals here near the Great Bergen Swamp sez that there's been
>info on the World Radio Conference in 1999 (WRC-99), and some of the
>proposals being discussed now is expansion of the HF bands. From Lou's
>comments, 160 and 80 will be unchanged, proposed changes are on 40 & up,
>with 40 possibly moving to 6900 - 7200 KHz exclusive, 30 expanding to
>10.100 - 10.310 MHz, 20 to 14.000 to 14.450 mHz, 17 to 18.068 - 18.318
>MHz, 15 and 12 unchanged and 10 to 28.000 - 30.000 MHz.

>

That sounds about right. There is an ARRL bulletin out that gives specific information. I'll give it a go at downloading and forward it if there's any interest.

Another bulletin also has a statement that the ARRL committee members will support the continuation of CW as a requirement for HF operations.

Good news!

72/73 de Roger N7KT (Ex-AA7QY) Mesa, AZ Grid DM43cj

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383